Programming with Threads
Benefits and Risks

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1 Create a Race Condition

Take the class `UnsafeSequence` from the presentation. Implement a program that calls `getNext` on an `UnsafeSequence`-object from several threads concurrently and *after the race* prints out the next sequence number together with the number of calls to the `getNext`-method.

Experiment with the number of threads and the number of calls to `getNext` to see if you can create a race condition on your computer.

2 Remove the Race Condition

In the presentation there was a solution to the race condition using the keyword `synchronized`. Solve the same problem without using `synchronized`.